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# Nature of EPR line asymmetry in La0.70Ca 0.25Ba0.05MnO3

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## Abstract

It was pointed out in some works that asymmetry of an electron paramagnetic resonance (EPR) line is generally caused by both the electrical conduction and the nondiagonal elements of the dynamic susceptibility of a magnetic subsystem. Direct measurements of the temperature dependences of the conductivity and the EPR line shape in a La0.70Ca0.25Ba0.05MnO 3 sample showed that the conduction makes the predominant contribution to the EPR line asymmetry © 2003 MAIK "Nauka/ Interperiodica".

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